

Model : ATZ HDMI-V2-44SMPR-TW

Description: 4x4 HDMI2.0 SEAMLESS HDMI Matrix Switch 4K@60 18Gbps, Video Wall, PIP/POP, Roaming, Scaling



The 4X4 4K60 Seamless Switching and Splitting Matrix (APP Type) is a 4K60 HDMI seamless video splitting and switching matrix device. It supports 4 HDMI input channels, 4-channel 3.5 mm audio input with embedding, 4 HDMI output channels, and 4-channel 3.5 mm audio extraction. This device supports inputs and outputs at resolutions up to 4K@60 and below, ensuring clear and smooth video playback. The system features intelligent EDID management, providing enhanced on-site compatibility for optimal display performance. It supports any number of rectangular video splicing outputs, offering flexible video layout options. Supports screen roaming and overlay functionality. The device supports multiple control methods—including front-panel buttons, infrared remote control, serial port, Web interface, and TCP/IP—delivering a convenient operating experience for users.

The device features an advanced B/S architecture-based web-based human-machine interface, enabling users to control the device effortlessly without installing any software or drivers on their PC. The device also supports web-based remote firmware upgrade functionality, significantly simplifying device maintenance and software updates. In terms of hardware design, both the 44 and 88 models utilize the standard 1U chassis size, which saves space and facilitates easy installation and integration.

Primarily used in applications such as high-definition video conferencing, broadcast and television engineering, multimedia conference rooms, large-screen display systems, television-based education, and command and control centers

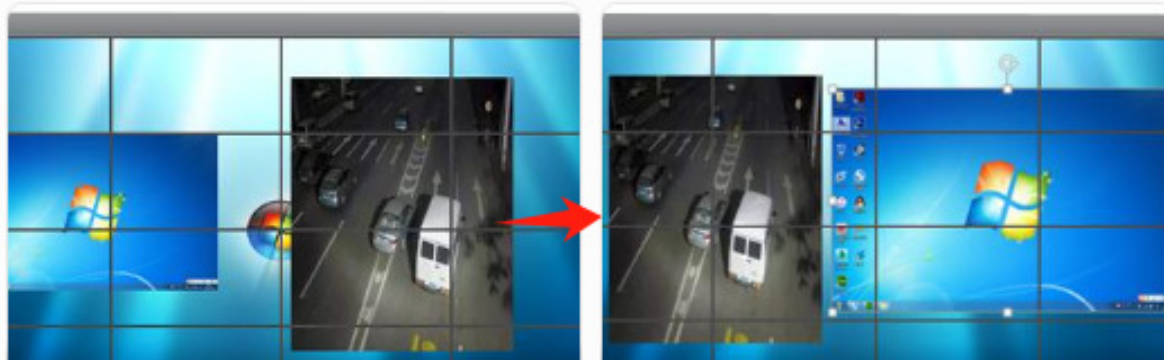
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Features:

- 1U standard design
- Supports HD resolution (3840×2160 @ 60Hz) for both input and output.
- Supports HDMI 1.4b/2.0b, HDCP 1.4/2.2/2.3, EDID, HDR10/HDR12/Dolby Vision/HLG
- Supports any input/output and scaler-based resolution output
- Supports seamless switching
- Supports video splicing functionality
- Supports screen roaming and overlay functionality (supports 4 Windows per port)
- Supports HDMI audio input with embedding and HDMI audio output with extraction.
- Supports LCD screen status display and operational feedback
- Supports web-based human-machine interface-based state monitoring and control.
- Supports front-panel button switching, infrared remote control, web interface, RS232 serial port, and TCP/IP network connection command control.

Note: "Roaming means you can drag any video window freely across multiple display screens on the video wall. The window will not be limited inside one single monitor; it can move, stretch and span over several screens at any position."



Specifications:

Input port	4×HDMI, 4×3.5 mm, 1×RJ45 (Control), 1×RS232
output port	4×HDMI、4X3.5mm、2XRS232
resolution ratio	480i,576i,480p,576p,720p,1080i,1080p@24/30/50/60Hz,1080P3D@60Hz,4K@24/25/30/50/60Hz
protocol standard	HDMI1.4b/2.0b, HDCP1.4/2.2/2.3, EDID, HDR10/HDR12/Dolby Vision/HLG
electrostatic protection	Human body discharge mode: ± 8 kV (air gap discharge) ± 4 kV (contact discharge)
control	Front panel buttons, RS232, LAN, APP, Infrared Remote Control
source	AC:220V—240V 50/60Hz DC:12V3A
power dissipation	10 W (no-load) – 24.2 W (full-load)

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size(mm)	Without earpads: 440 (W) × 279 (D) × 44 (H); With earpads: 486 (W) × 279 (D) × 59 (H)
weight	3.4kg
working temperature	0 °C~50 °C
Storage Temperature	0 °C~50 °C

Front Panel Functionality Overview



order number	name	explain
A	LCDdisplay screen	Display status, operation prompts
B	INPUT	Enter selection range
C	OUTPUT	Select output range
D	CONTROL	UP: Move upward – when switching modes, transfer the current input to all outputs; when in Scene Mode, move to the next scene upward.
		DOWN: Down – Disables the current input signal when switching modes; switches to the next scene when in Scene Mode.
		MENU: Menu Switch
		ENTER: Confirm/One-to-One Match
E	IR	Infrared receiver head

Rear Panel Functionality Overview



order number	name	explain
F	screw	landing
G	AUDIO IN	3.5 mm audio jack with embedded port
H	AUDIO OUT	3.5 mm audio jack
I	INPUT	Input Area
J	OUTPUT	Output Area

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K	CONTROL OTHER DEVICES	Control external devices
L	RS232-IN	External Device Serial Port Control Interface
M	RS232-OUT	Serial port ring-out interface
N	LAN	Network output port
O	DC 12V	12V3A adapter input port
P	OFF-ON	mains switch
Q	UPGRADE	USB flash drive upgrade port

Packaging Contents:

- 1x Matrix switch
- 1x Power cord
- 1x User manual
- 1 pair Rack ears
- 1x One remote control

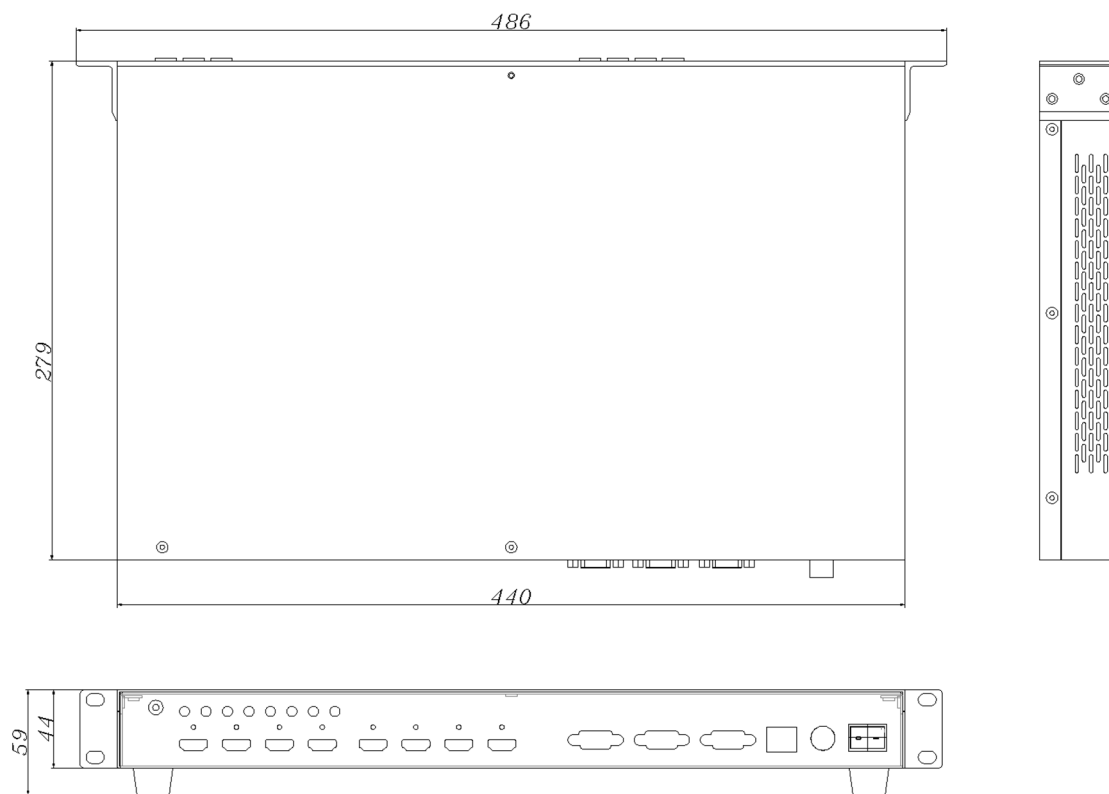
Product Drawing:



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